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- 1 [A structured approach to instrumentation system development and e](#)
 Abdul Waheed, Diane T. Rover
 December 1995 **Supercomputing '95: Proceedings of the 1995 ACM/IEEE (CDROM)**

Publisher: ACM

 Full text available: [HTML](#) (82.04 KB)

 Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 62, Downloads

Software instrumentation is a widely used technique for parallel program steering, and visualization. With increasing sophistication of parallel tool broadening of application areas where ...

Keywords: instrumentation systems, software monitoring, parallel program modeling, perturbation, performance analysis

- 2 [Using selective discard to improve real-time video quality on an ethernet](#)
 Yantian Della Torre Lu, Kenneth J. Christensen
 March 1999 **International Journal of Network Management**, Volume 9 Issue 1
Publisher: John Wiley & Sons, Inc.

 Full text available: [PDF](#) (1.44 MB)

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To support real-time MPEG video on Ethernet, a selective discard scheme loss of more important MPEG "I" frames for less important "B" frames. S quality. Copyright ...

- 3 [The performance of TCP/IP for networks with high bandwidth-delay p](#)
 T. V. Lakshman, Upamanyu Madhow
 June 1997 **IEEE/ ACM Transactions on Networking (TON)**, Volume 5 Issue 3
Publisher: IEEE Press

 Full text available: [PDF](#) (390.77 KB)




 Additional Information: [full citation](#), [reference](#)
Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 128, Downloads

Keywords: TCP/IP, congestion control, error recovery, flow control, inte

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[Jeffrey Scott Vitter](#)
 June 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 2
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Data sets in large applications are often too massive to fit completely ins
 resulting input/output communication (or I/O) between fast internal mer
 as disks) can be a major performance ...




Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashii
 memory, multidimensional access methods, multilevel memory, online, c

- 5 [H-RMC: a hybrid reliable multicast protocol for the Linux kernel](#)
 [Philip K. McKinley, Ravi T. Rao, Robin F. Wright](#)
 January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE co**
Publisher: ACM
 Full text available:  [Pdf](#) (493.98 KB) Additional Information: [full citation](#), [referer](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 10, Downloa

- 6 [Balancing performance and flexibility with hardware support for netw](#)
 [Ilija Hadžić, Jonathan M. Smith](#)
 November 2003 **Transactions on Computer Systems (TOCS)** , Volume 21 I
Publisher: ACM  [Request Permissions](#)
 Full text available:  [Pdf](#) (719.03 KB) Additional Information: [full citation](#), [abstract](#)
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The goals of performance and flexibility are often at odds in the design o
 common enough to justify an architectural solution, rather than a set of
 Programmable Protocol Processing Pipeline ...


Keywords: FPGA, P4, computer networking, flexibility, hardware, perfor
 programmable networks, protocol processing

- 7 [Cost-effective streaming server implementation using Hi-tactix](#)
 [Damien Le Moal, Tadashi Takeuchi, Tadaaki Bando](#)
 December 2002 **MULTIMEDIA '02: Proceedings of the tenth ACM internati**
Publisher: ACM  [Request Permissions](#)
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High performance and high quality for continuous media stream delivery
 cannot be achieved efficiently using general-purpose operating systems,
 mechanism implementation generally used. ...

Keywords: audio/video streaming, operating system, quicktime, real-tir

8 Warehousing and mining Web logs

 Karuna P. Joshi, Anupam Joshi, Yelena Yesha, Raghu Krishnapuram
November 1999 **WIDM '99: Proceedings of the 2nd international workshop on management**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.66 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 132, Downloads (All Time): 132

Analyzing Web Logs for usage and access trends can not only provide insight to web developers and administrators, but also help in creating adaptive web sites that generate fixed reports from web ...

Keywords: Web logs, Web mining, ad hoc analysis, clustering, user interface

9 Optimizing TCP forwarder performance

Oliver Spatscheck, Jørgen S. Hansen, John H. Hartman, Larry L. Peterson
April 2000 **IEEE/ ACM Transactions on Networking (TON)**, Volume 8 Issue 2

Publisher: IEEE Press

Full text available:  Pdf (119.23 KB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 49, Downloads (All Time): 49

Keywords: TCP, firewall, proxy, router

10 Start-time fair queueing: a scheduling algorithm for integrated services networks

Pawan Goyal, Harrick M. Vin, Haichen Cheng

October 1997 **IEEE/ ACM Transactions on Networking (TON)**, Volume 5 Issue 5

Publisher: IEEE Press


Full text available:  Pdf (431.62 KB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 82, Downloads (All Time): 82


Keywords: fair queueing, integrated services networks, packet scheduling

11 Web application security assessment by fault injection and behavior analysis

 Yao-Wen Huang, Shih-Kun Huang, Tsung-Po Lin, Chung-Hung Tsai

May 2003 **WWW '03: Proceedings of the 12th international conference on World Wide Web**

Publisher: ACM

Full text available:  Pdf (4.53 MB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 79, Downloads (12 Months): 735, Downloads (All Time): 735

As a large and complex application platform, the World Wide Web is capable of supporting sophisticated applications. However, many Web applications go through extremely short turnaround time, making it difficult ...

Keywords: black-box testing, complete crawling, fault injection, security

12 A game-theoretic approach towards congestion control in communication networks

 Rahul Garg, Abhinav Kamra, Varun Khurana

July 2002 **SIGCOMM Computer Communication Review**, Volume 32 Issue 4

Publisher: ACM

Full text available:  Pdf (379.11 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 80, Downloads (24 Months): 112

Most of the end-to-end congestion control schemes are "voluntary" in nature and require cooperation. We show that in the presence of selfish users, all such schemes collapse. Router and switch ...

Keywords: DWS, GPS, RIS, TCP, congestion control, fairness, game theory, equilibrium, scheduling, stackelberg equilibrium

13 [Experiments in Composing Proxy Audio Services for Mobile Users](#)

[Philip K. McKinley](#), [Udiyan J. Padmanabhan](#), [Nandagopal Ancha](#)

November 2001 **Middleware '01**: Proceedings of the IFIP/ACM International Conference on Mobile Computing and Platforms Heidelberg

Publisher: Springer-Verlag

Full text available:  Pdf (809.23 KB)Additional Information: [full citation](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 9, Downloads (24 Months): 15

14 [Fluid simulation: discrete event fluid modeling of TCP](#)

[David M. Nicol](#)


December 2001 **WSC '01**: Proceedings of the 33rd conference on Winter simulation

Publisher: IEEE Computer Society

Full text available:  Pdf (151.17 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 18, Downloads (24 Months): 25

The bulk of Internet traffic is carried using variants of the TCP protocol. A study of any distributed application run over the Internet (e.g. reliable multicast) must take into account the impact that TCP background ...

15 [Application level hand-off support for mobile media transcoding sessions](#)

 [Sumit Roy](#), [Bo Shen](#), [Vijay Sundaram](#), [Raj Kumar](#)

May 2002 **NOSSDAV '02**: Proceedings of the 12th international workshop on Database and Expert Systems Support


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (222.88 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 20, Downloads (24 Months): 25

Media transcoding can be used to enable mobile devices that have low bandwidth to access content created for stationary, desktop clients with high bandwidth. Servers near the edge of ...


Keywords: hand-off, mobility, transcoding

16 [Multidimensional access methods](#)

 [Volker Gaede](#), [Oliver Günther](#)

June 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 2

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.05 MB)Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 64, Downloads (12 Months): 510, Downl

Search operations in databases require special support at the physical le
databases as well as spatial databases, where typical search operations i
that contain ...

Keywords: data structures, multidimensional access methods

17 TCP westwood: Bandwidth estimation for enhanced transport over w

 Saverio Mascolo, Claudio Casetti, Mario Gerla, M. Y. Sanadidi, Ren Wang
July 2001 **MobiCom '01: Proceedings of the 7th annual international cor
networking**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (344.76 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 207, Downl

TCP Westwood (TCPW) is a sender-side modification of the TCP congesti
the performance of TCP Reno in wired as well as wireless networks. The
wireless networks with lossy links, ...

18 Tarzan: a peer-to-peer anonymizing network layer

 Michael J. Freedman, Robert Morris
November 2002 **CCS '02: Proceedings of the 9th ACM conference on Compu**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (242.72 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 136, Downl


Tarzan is a peer-to-peer anonymous IP network overlay. Because it prov
purpose and transparent to applications. Organized as a decentralized pe
tolerant, highly scalable, and easy to ...

Keywords: IP tunnels, anonymity, cover traffic, distributed trust, mix-n

19 Logical and physical design issues for smart card databases

 Cristiana Bolchini, Fabio Salice, Fabio A. Schreiber, Letizia Tanca
July 2003 **Transactions on Information Systems (TOIS)**, Volume 21 Is

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.12 MB)

Additional Information: [full citation](#), [abstra](#)


Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 154, Downl

The design of very small databases for smart cards and for portable emb
the peculiar features of the physical medium. We propose a joint approa
design phases and evaluate several ...

Keywords: Design methodology, access methods, data structures, flash
smart card

 **OS and compiler considerations in the design of the IA-64 architecture**
Rumi Zahir, Jonathan Ross, Dale Morris, Drew Hess
December 2000 **ASPLOS-IX: Proceedings of the ninth international conference on programming languages and operating systems**

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Full text available:  Pdf (96.50 KB)

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Increasing demands for processor performance have outstripped the pace of improvements, pushing designers to find ways of increasing the amount of parallelism. Traditional RISC architectures use hardware ...

Also published in:

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December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

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